

What is claimed is:

1. A filter arrangement comprising:
 - (a) a media construction comprising a corrugated sheet secured to a flat sheet rolled into a coiled construction; the coiled construction having a plurality of flutes, a first end, an opposite second end, and an outer annular surface;
 - (i) said plurality of flutes comprising inlet flutes and outlet flutes;
 - (A) said inlet flutes being open at a portion adjacent to said first end and closed at a portion adjacent to said second end; and said outlet flutes being closed at a portion adjacent to said first end and open at a portion adjacent to said second end;
 - (b) a first seal member secured to said coiled construction;
 - (i) said first seal member being oriented radially from said coiled construction;
 - (c) a second seal member secured to said outer annular surface of said coiled construction;
 - (i) said second seal member including a gasket extension having first and second opposite ends; an attachment portion; and a protrusion extending from the attachment portion;
 - (A) said attachment portion including an attachment surface securing said gasket extension to said outer annular surface of said coiled construction; and
 - (B) said protrusion including first and second inclines and a land therebetween.
2. A filter arrangement according to claim 1 wherein:

- (a) said gasket extension further includes a first ramp opposite of the attachment surface; said first ramp extending from said first end to said protrusion.
- 3. A filter arrangement according to claim 2 wherein:
 - (a) said first and second inclines of said protrusion are symmetrical.
- 4. A filter arrangement according to claim 3 wherein:
 - (a) said land is parallel to said attachment surface.
- 5. A filter arrangement according to claim 4 wherein:
 - (a) said protrusion has a trapezoid shaped cross-section.
- 6. A filter arrangement according to claim 2 wherein:
 - (a) said gasket extension further includes a second ramp extending from said second incline to said second end
- 7. A filter arrangement according to claim 6 further including:
 - (a) a core construction having a first end;
 - (i) said core construction first end including a pair of deflectable flanges;
 - (ii) said coiled construction being formed by rolling said media construction around said core construction;
 - (iii) said core construction being releasably secured to said frame;
 - (A) said frame including a central hub;
 - (B) said pair of deflectable flanges engaging said central hub.
- 8. A filter arrangement according to claim 7 wherein:
 - (a) said core construction includes a second end opposite of said core construction first end;

- (i) said core construction second end defining at least one void.
- 9. A filter arrangement according to claim 8 further including:
 - (a) a handle projecting from said first end of said coiled construction; said handle being snap-fit into said core construction through said one void.
- 10. A filter arrangement according to claim 1 further including:
 - (a) a frame securing said first seal member to said coiled construction; said frame having a skirt and an axial extension;
 - (i) said skirt circumscribing and securing said frame to said coiled construction;
 - (ii) said axial extension projecting axially from said second end of said coiled construction; said axial extension having an annular portion;
 - (A) said annular portion of said axial extension supporting said first seal member to orient said first seal member in a radial direction.
- 11. An air cleaner comprising:
 - (a) a housing including a body member and a cover; said body member defining an interior;
 - (b) a filter element operably installed within said body member interior; said filter element including:
 - (i) a media construction; said media construction comprising a corrugated sheet secured to a flat sheet rolled into a coiled construction; the coiled construction having a plurality of flutes, a first end, an opposite second end, and an outer annular surface; said plurality of flutes comprising inlet flutes and outlet flutes;
 - (A) said inlet flutes being open at portions adjacent to said first end and closed at portions adjacent to said second

end; and said outlet flutes being closed at portions adjacent to said first end and open at portions adjacent to said second end;

- (ii) a first seal member secured to said coiled construction and oriented in a radial direction to form a radial seal with said housing;
- (iii) a second seal member secured to said outer annular surface of said coiled construction; said second seal member including a gasket extension having first and second opposite ends; an attachment portion; and a protrusion extending from the attachment portion;
 - (A) said attachment portion including an attachment surface securing said gasket extension to said outer annular surface of said coiled construction; and
 - (B) said protrusion including first and second inclines and a land therebetween;
 - (C) said protrusion being squeezed between said cover and said body member to form an axial seal therebetween.

12. An air cleaner according to claim 11 wherein:

- (a) said cover includes an inlet grid positioned over said coiled construction first end to aid in removing debris from a gas stream being directed into the air cleaner.

13. An air cleaner according to claim 11 wherein:

- (a) said gasket extension further includes:
 - (i) a first ramp opposite of the attachment surface; said first ramp extending from said first end to said protrusion;
 - (A) said first and second inclines of said protrusion being symmetrical;

- (B) said land being parallel to said attachment surface; and
- (ii) a second ramp extending from said second incline to said second end.

14. An air cleaner according to claim 11 wherein:

- (a) said filter element further includes a core construction having a first end;
 - (i) said core construction first end including a pair of deflectable flanges;
 - (ii) said coiled construction being formed by rolling said media construction around said core construction;
 - (iii) said core construction being releasably secured to said frame;
 - (A) said frame including a central hub;
 - (B) said pair of deflectable flanges engaging said central hub.

15. An air cleaner according to claim 11 wherein:

- (a) said filter element further includes:
 - (i) a frame securing said first seal member to said coiled construction; said frame having a skirt and an axial extension;
 - (A) said skirt circumscribing and securing said frame to said coiled construction;
 - (B) said axial extension projecting axially from said second end of said coiled construction; said axial extension having an annular portion;
 - (C) said annular portion of said axial extension supporting said first seal member to form said radial seal by compression of the first seal member between and against said annular portion and said housing.

16. A method of installing a filter element into an air cleaner; the method comprising:

- (a) providing a filter element having a media construction comprising a corrugated sheet secured to a flat sheet rolled into a coiled construction; the coiled construction having plurality of flutes, a first end, an opposite second end, an outer annular surface, and a seal member oriented on the outer annular surface;
 - (i) the plurality of flutes comprising inlet flutes and outlet flutes;
 - (A) said inlet flutes being open at portions adjacent to said first end and closed at portions adjacent to said second end; and said outlet flutes being closed at portions adjacent to said first end and open at portions adjacent to said second end;
 - (b) inserting the filter element into a housing body until a radial seal is formed between the filter element and the housing body; and
 - (c) after said step of inserting, orienting a cover over the filter element and forming an axial seal by squeezing the seal member between the cover and the body member.
17. A method according to claim 16 wherein:
- (a) said step of providing a filter element includes providing a filter element wherein the seal member includes a gasket extension having first and second opposite ends; an attachment portion; and a protrusion extending from the attachment portion;
 - (i) the attachment portion including an attachment surface securing the gasket extension to said outer annular surface of said coiled construction; and
 - (ii) the protrusion including first and second inclines and a land therebetween; and
 - (b) said step of forming an axial seal includes squeezing the protrusion between the cover and the body member.

18. A method according to claim 17 wherein:

- (a) said step of providing a filter element includes providing a filter element including a frame and a radial seal member; the frame securing the radial seal member to the coiled construction; the frame having a skirt and an axial extension;
 - (i) the skirt circumscribing and securing the frame to the coiled construction;
 - (ii) the axial extension projecting axially from the second end of the coiled construction; the axial extension having an annular portion;
 - (iii) the annular portion of the axial extension supporting the radial seal member; and
- (b) said step of inserting the filter element into a housing body until a radial seal is formed includes forming a radial seal by compressing the radial seal member between and against the annular portion of the axial extension and the housing body.